

Claims:

1. A computer network system, the system comprising:
a computer network connection;
a virtual area network;
an association between a gateway interface and the virtual area network; and
a first gateway, the first gateway having at least one local area network process and being in communication with said association, the first gateway providing at least one virtual local area network connection to a client over a computer network, said client being in communication with the first gateway over the computer network connection.
2. The system of claim 1, further comprising Internet protocol (IP) addresses on the virtual area network reserved for use outside the first gateway, the Internet protocol (IP) addresses used on another machine, the another machine in communication with the first gateway.
3. The system of claim 1, further comprising encryption services.
4. The system of claim 1, further comprising a local area network.

5. The system of claim 4, further comprising Internet protocol (IP) addresses on a local area network, the Internet protocol (IP) addresses reserved for use with Internet services.

6. The system of claim 4, further comprising Internet protocol (IP) addresses on the local area network, the Internet protocol (IP) addresses reserved for use behind the first gateway.

7. The system of claim 6, further comprising:
an outside interface connected to the gateway, the outside interface connecting the gateway to the computer network connection; and
a second gateway, the second gateway in communication with the outside interface of the first gateway, wherein the Internet protocol (IP) addresses on the local area network reserved for use behind the first gateway are also used on the second gateway,

8. The system of claim 1, further comprising Internet protocol (IP) addresses on the local area network, the Internet protocol (IP) addresses reserved for use outside of the gateway, the Internet protocol (IP) addresses also used on another machine, the another machine in communication with the first gateway.

9. The system of claim 1, further comprising Internet protocol (IP) addresses on the local area network reserved for use on the outside the first gateway and on another machine, the another machine in communication with the first gateway, the another machine in communication with at least one other gateway via a virtual private network.

10. The system of claim 1, further comprising security system resources.

11. The system of claim 10, wherein the security system resources comprise authentication services.

12. The system of claim 10, wherein the security system resources comprise virtual area network services.

13. The system of claim 10, wherein the security system resources comprise traffic configuration services.

14. The system of claim 10, wherein the security system resources comprise a virtual private network and a client machine, the client machine connected by the virtual private network to the virtual area network.

15. The system of claim 10, further comprising a selection from one or more of the group consisting of: administrative tools, logging, mapping, and resources for updating and configuring.